



## Syvecs I/O 10

### Outputs

10 Low side Outputs (circa 15A each, Surge to 30A)

2 Half Bridge Outputs (combinable for 1 Full Bridge)

### Inputs

10 Analogue or switch inputs (0-5V, Thermistor or switch)

6 of the inputs capable of speed measurement (Bipolar, Unipolar)

### Interfaces

Ethernet for pc configuration and monitoring connection

CAN 2.0B interface for communication with other controllers or logging systems

### Power Supply

6 to 26V input voltage range

### Physical

35 way AMP Ampseal male connector

PCB 130 x 115mm

## Syvecs I/O10 Pinouts

<b>Pin1</b>	Output1	<b>Pin16</b>	Input 4
<b>Pin2</b>	Output 1 (Linked to pin1)	<b>Pin17</b>	Input 5
<b>Pin3</b>	Output 2	<b>Pin18</b>	Input 6
<b>Pin4</b>	H Bridge 1	<b>Pin19</b>	Input 7
<b>Pin5</b>	Output 3	<b>Pin20</b>	Input 8
<b>Pin6</b>	Output 4	<b>Pin21</b>	Input 9
<b>Pin7</b>	Output 5	<b>Pin22</b>	Input 10
<b>Pin8</b>	Output 6	<b>Pin23</b>	LAN RX+    White/Orange
<b>Pin9</b>	Output 7	<b>Pin24</b>	AN Ground
<b>Pin10</b>	Output 8	<b>Pin25</b>	5V Out
<b>Pin11</b>	Output 9	<b>Pin26</b>	Can H1
	Output		
<b>Pin12</b>	10	<b>Pin27</b>	Lan L1
<b>Pin13</b>	Input 1	<b>Pin28</b>	Can H2
<b>Pin14</b>	Input 2	<b>Pin29</b>	Can L2
<b>Pin15</b>	Input 3	<b>Pin30</b>	H Bridge 2
		<b>Pin31</b>	LAN TX -    Green/White
		<b>Pin32</b>	LAN TX +    White/Green
		<b>Pin33</b>	LAN RX -    Orange/White
		<b>Pin34</b>	12V Supply VBAT
		<b>Pin35</b>	Power Ground

Requires termination resistors of 120ohm between Can L1 and Can H1 if slaving to a S6 or S8